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What is claimed is;

amplifies the voltage, wherein:

An image-capturing device comprising:

a plurality of photoelectric conversion elements that are two-dimensionally arrayed;

a charge transfer circuit that transfers electrical charges from said photoelectric conversion elements; and an amplifier that is connected to an end of said charge transfer circuit along a direction of charge transfer, converts an electrical charge into voltage, and

at least said photoelectric conversion elements, said charge transfer circuit and said amplifier are provided on a single semiconductor substrate; and said image-capturing device further comprises an amplifier power control circuit that controls power to said amplifier in conformance to a control signal provided from outside.

2. An image-capturing device according to claim 1,
20 wherein:

said amplifier power control circuit changes a bias current supplied to said amplifier by using said control signal.

25 3. An image-capturing device according to claim 1,

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wherein:

said charge transfer circuit transfers the electrical charges to said amplifier by employing a CCD (charge-coupled device).

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4. An image-capturing device according to claim 1, wherein:

said charge transfer circuit reads the electrical charges out to said amplifier through XY address scanning.

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5. An electronic camera comprising:

an image-capturing device that captures an image of a subject and outputs image data; and

a control device that performs a specific type of image processing on the image data, wherein said image-capturing device comprises:

a plurality of photoelectric conversion elements that are two-dimensionally arrayed;

a charge transfer circuit that transfers electrical charges from said photoelectric conversion elements; and

an amplifier that is connected to an end of said charge transfer circuit along a direction of charge transfer, converts an electrical charge into voltage, and amplifies the voltage, wherein:

at least said photoelectric conversion elements,

said charge transfer circuit and said amplifier are provided on a single semiconductor substrate; and said image-capturing device further comprises an amplifier power control circuit that controls power to said amplifier in conformance to a control signal # ); provided from outside.

- 6. An electronic camera according to claim 5, wherein:
  said control device controls said image-capturing

  10 device so that a normal bias current is supplied to said
  amplifier in conformance to said control signal when
  discharging unnecessary electrical charges and reading
  out electrical charges from said photoelectric conversion
  elements, and the bias current to said amplifier is

  15 reduced in conformance to said control signal at other
  times.
- 7. An electronic camera according to claim 6, wherein:
  said control device controls said image-capturing

  20 device so that the normal bias current is supplied to
  said amplifier in conformance to said control signal when
  exposure is performed over a length of time equal to or
  less than a specific length of time.
- 25 8. An image-capturing device comprising:

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a plurality of photoelectric conversion elements;

a heat generating component that constitutes a local heat source, wherein:

said plurality of photoelectric conversion elements
and said heat generating component are provided on a
single semiconductor substrate; and

said image-capturing device further comprises a heat generating component power control circuit that controls power to said heat generating component in conformance to a control signal provided from outside.

9. An image-capturing device according to claim 8, wherein:

said plurality of photoelectric conversion elements are two-dimensionally arrayed on said semiconductor substrate.

10. An image-capturing device according to claim 8, 20 wherein:

said heat generating component is an A/D converter.

11. An image-capturing device according to claim 8, wherein:

said heat generating component is a signal processor.